



# Case Study:



METEOROLOGICAL DATA CAMPAIGN

Panel Width: 60% Current Section: 2024 Summer MET Tower Campaign

MET Tower Campaign

- 2024 Summer MET Tower Campaign
- 2023 Summer MET Tower Campaign
- PM34: Lamaline ATV Trail Site
- EL1: St. Lawrence Elemental Wind Farm
- PM05: Burin Service Board (Quarry Site)
- PM101: Powderhorn Trail
- PM301: Frenchman's Cove
- PM3: Grouse Site

MET 2024 Program

Overview Map

Site Number	Site Name	Location	Type	Access	Permit Status
MET24-1	Quarry/Point	46.97712, -55.28078	89m Lattice	200m 4-5m road from quarry	Crown Lands - Referred
MET24-2	Here Hills	46.92900, -55.88437	89m Lattice	4m access from Lamaline ATV Trail	Crown Lands - Referred
MET24-3	Fortune Hills / Tobacco Road	47.02346, -55.84330	1650m along unapproved ATV Trail		Crown Lands - Referred
MET24-4	Winterland / Russ	47.06977, -55.33417	Helicopter and Walking		Site Visit Planned

Permit Planning, Data Management & Visualization

EverWind Fuels looks to lead the energy transition, which requires lots of permitted work on the ground. How do you effectively manage permits for a large complex wind project?.

Through its Burin Peninsula Green Fuels Project, EverWind Fuels, is proposing to develop a 2-3 GW wind farm to produce green hydrogen and ammonia on the Burin Peninsula in Newfoundland and Labrador. Construction is set to begin as early as Q4 2025. Phase 1 of this multi-phase project could begin production as early as late 2028. The EverWind team continues to study the site and how to ensure the project does not negatively impact the local environment or communities on the Burin Peninsula.

## The Challenge

Anyone who has visited the Island of Newfoundland can appreciate the bounty of wind energy that touches every corner of its vast expanse. While it may appear obvious that there is plenty of wind for large scale wind-farm development, the nature of the wind must be fully understood prior to any project moving forward. How hard the wind blows, at what time, in which directions and at what height all must be measured, analyzed, and verified prior to any development.

This is typically done over 2 or more seasonal cycles, so it is critical to establish the infrastructure to study this valuable resource, but in a way that minimizes any impacts upon the land and communities, while maintaining a schedule. Installing this infrastructure requires many permits from all levels of governments, which can be time consuming and costly if information is not readily available for analysis.

## The Solution

ICI was hired by EverWind Fuels to support its bid for Crown Lands required for the project using its Project Information Management System (PIMS) and its experienced project support staff.

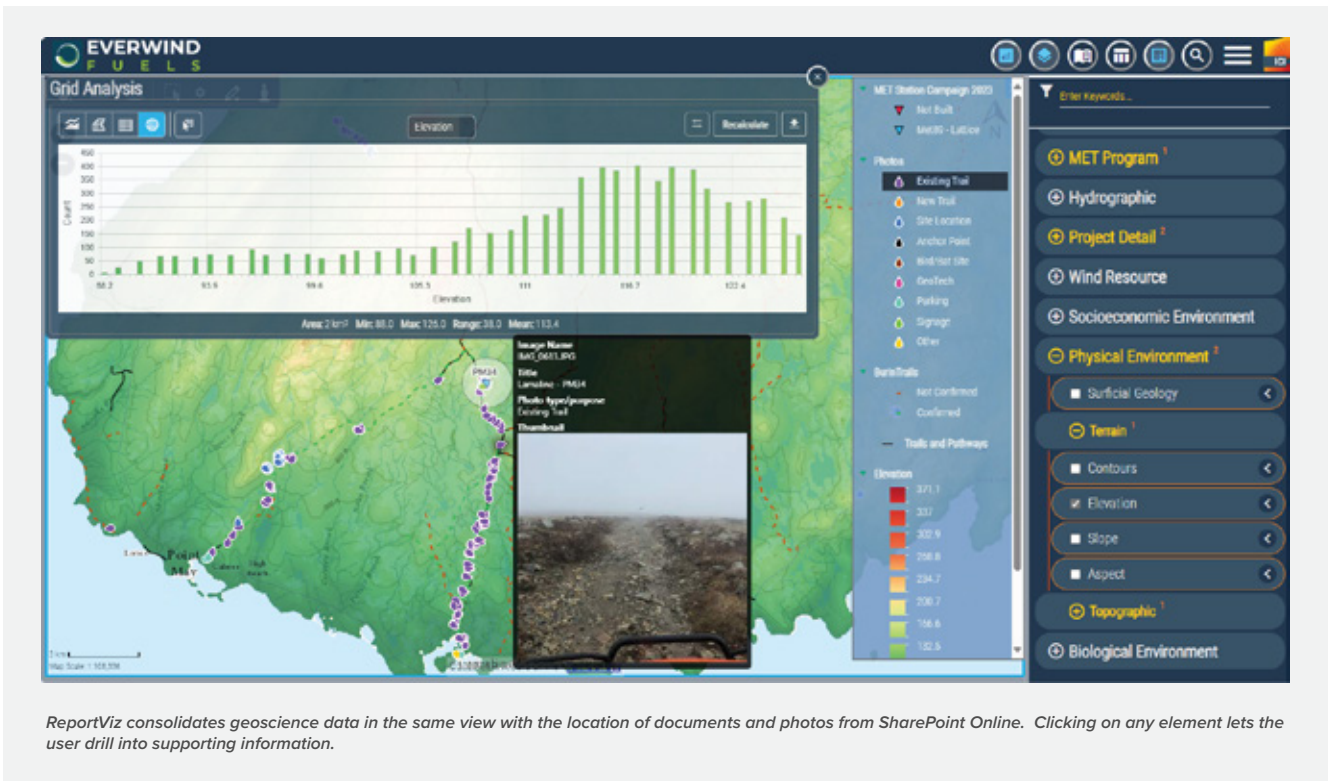
With its successful bid, attention was shifted to conducting a meteorological study of the area, which required the following tools:



# ReportViz

- **ReportViz** for the review of the awarded crown lands, the terrain, including water bodies, streams, and other physical, biological, and socioeconomic information that could be used within the permit application process.

- **Engagement Manager** for the collection, management, query, and display of all engagement information related to permits, such as communications with trail associations, towns, regulators, and individuals.
- **Document Manager** for the management, search, and retrieval of all permit related documents.



ReportViz consolidates geoscience data in the same view with the location of documents and photos from SharePoint Online. Clicking on any element lets the user drill into supporting information.

Microsoft Teams was used to create a collaboration environment for the project as well as the SharePoint Online site, which houses most content. Microsoft SQL Server was also used to manage large and complex datasets that require advanced query options, such as multi-year commercial fishing records, crownland titles and mineral claims.

Colin Taylor, ICI's lead for permitting for the project said, "PIMS really allowed the team to quickly review all information required for a permit with the client and communicate a permit's status once submitted to government. It's easy to gather the information required to submit a permit and then stay on top of it through the process."

In 2023, four meteorological towers were established and several more will be added in 2024. ICI's PIMS continues to provide the necessary tools for this phase as it is designed to adapt to the changing needs of projects.

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ICI has made it easy to access the information needed for the Burin project. They go above and beyond to ensure we have the right picture when we need it.

**Sam Imbeault**  
VP, EverWind Fuels

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## Benefits

- **A single, easy-to-access location for all information.** ReportViz consolidates more than 90 layers of unique data, bringing together everything from development constraints, permits, weather data and reports. Users can filter and drill down through this data to find exactly what they want using easily understood controls. New data and data sources can be added to the solution with minimal effort.
- **A quality user interface that enables compelling presentations.** The solution provides a compelling overview of the Burin project, that lets users read and search reports related to permitting and past reports, including all referenced data.
- **Integration of existing data sets and documents from many sources.** ICI's PIMS solution facilitates the smooth flow of information from many sources to ensure all documents, data, engagements, and photos are accessible to project staff whenever needed, from any location and when appropriate.
- **Easy user & security management.** ICI's PIMS solution uses MS Teams to manage who has access to a project's applications and what they can do and see. This is critical on a project that has staff in multiple locations and many sub-contractors, who all need access with varying levels of permissions for data and application features.

ICI Innovations is  
a digital reporting and data  
visualization software company.

Its ReportViz application as part of its larger Project Information Management System solution provides access to sophisticated reports and data so information for a project can more effectively be managed and communicated.

ReportViz is a complete digital EIA and interactive data visualization solution that is tightly integrated with Microsoft 365's SharePoint Online platform.

ICI Innovations has a solid reputation for providing easy to use, yet powerful solutions that support various natural resource-based industries, including energy.



**ICI Innovations Inc.**

[www.iciinnovations.com](http://www.iciinnovations.com)

(709) 726-4206  
[info@iciinnovations.com](mailto:info@iciinnovations.com)

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